

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| L16   | 364  | (image ADJ sensor OR CCD) WITH film WITH advantage                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2007/08/13 08:51 |
| L17   | 20   | "4589023"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2007/08/13 08:51 |
| L20   | 19   | Infrared ADJ absorption ADJ filter WITH advantage                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2007/08/13 11:43 |
| L21   | 1761 | (low-pass OR low\$1pass OR low ADJ pass) ADJ filter WITH advantage             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2007/08/13 11:45 |
| L22   | 637  | (low-pass OR low\$1pass OR low ADJ pass) ADJ filter NEAR4 advantage            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2007/08/13 11:45 |
| L23   | 78   | (low-pass OR low\$1pass OR low ADJ pass) ADJ filter NEAR4 advantage AND camera | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH             | ON      | 2007/08/13 11:45 |
| L24   | 124  | ((TERUO) near2 (SAKAI)).INV.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/08/13 14:35 |

## EAST Search History

|     |      |                                      |  |    |     |                  |
|-----|------|--------------------------------------|--|----|-----|------------------|
| L25 | 145  | ((MAKOTO) near2 (MOGAMIYA)).<br>INV. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/13 14:35 |
| L26 | 262  | L24 OR L25                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/13 14:35 |
| L27 | 114  | 26 AND camera                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/13 14:35 |
| L28 | 388  | (348/374).CCLS.                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/13 14:36 |
| L29 | 1204 | (348/207.99).CCLS.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/13 14:36 |
| L30 | 867  | (348/335).CCLS.                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/13 14:36 |
| L31 | 44   | (348/208.7).CCLS.                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/13 14:36 |

## EAST Search History

|     |      |  |  |      |     |                  |
|-----|------|--|--|------|-----|------------------|
| L32 | 40   | (348/208.8).CCLS.                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2007/08/13 14:36 |
| L33 | 75   | (348/208.11).CCLS.                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2007/08/13 14:37 |
| L34 | 2213 | (28 OR 29 OR 30 OR 31 OR 32 OR 33) AND camera    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON  | 2007/08/13 14:37 |
| S1  | 2    | "20040041915"                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2006/11/13 08:21 |
| S2  | 30   | elastic NEAR2 bellows NEAR2 structure            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2006/11/06 07:46 |
| S3  | 4    | elastic NEAR2 bellows NEAR2 structure AND camera | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2006/11/06 07:46 |
| S4  | 124  | ((TERUO) near2 (SAKAI)).INV.                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2006/11/06 07:58 |

## EAST Search History

|     |      |                                      |  |    |     |                  |
|-----|------|--------------------------------------|--|----|-----|------------------|
| S5  | 139  | ((MAKOTO) near2 (MOGAMIYA)).<br>INV. | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 07:58 |
| S6  | 256  | S4 OR S5                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/08/13 14:35 |
| S7  | 111  | (S4 OR S5) AND camera                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 07:59 |
| S8  | 6    | "6374060"                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 10:02 |
| S9  | 353  | (348/374).CCLS.                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/13 14:36 |
| S10 | 1094 | (348/207.99).CCLS.                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/13 14:36 |
| S11 | 77   | S10 AND camera AND seal\$4           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 09:01 |

## EAST Search History

|     |     |  |  |    |     |                  |
|-----|-----|--|--|----|-----|------------------|
| S12 | 39  | S10 AND camera SAME seal\$4  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 09:04 |
| S13 | 58  | camera SAME seal\$4 WITH optical<br>NEAR2 element                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 09:18 |
| S14 | 1   | "20030001960"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 09:18 |
| S15 | 2   | "7034877"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 10:02 |
| S16 | 4   | ("3677160"   "4211823"  <br>"4729648"   "6453125").PN. OR<br>("7034877").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2006/11/06 10:03 |
| S17 | 15  | ("1184110"   "2880658"  <br>"R025167").PN. OR ("3677160").<br>URPN.            | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2006/11/06 10:05 |
| S18 | 776 | (348/335).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/13 14:36 |
| S19 | 4   | S18 AND (bellow OR accordion)<br>WITH lens                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 11:03 |

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|     |      |   |  |    |     |                  |
|-----|------|---|--|----|-----|------------------|
| S20 | 2459 | (bellow OR accordion) WITH lens                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 11:04 |
| S21 | 142  | (bellow OR accordion) WITH lens<br>WITH seal\$4       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 11:04 |
| S22 | 449  | endoscope WITH shutter                                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 13:07 |
| S23 | 6    | endoscope WITH shutter WITH<br>(benefit OR advantage) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 13:24 |
| S24 | 30   | endoscope WITH shutter WITH<br>brightness             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 13:53 |
| S25 | 206  | (348/208.99).CCLS.                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2006/11/06 13:56 |
| S26 | 36   | (348/208.7).CCLS.                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/13 14:36 |

## EAST Search History

|     |     |  |  |    |     |                  |
|-----|-----|--|--|----|-----|------------------|
| S27 | 40  | (348/208.8).CCLS.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/13 14:36 |
| S28 | 65  | (348/208.11).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | OFF | 2007/08/13 14:36 |
| S29 | 30  | video NEAR4 camera WITH<br>bellow\$2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 15:23 |
| S30 | 26  | ("3503663"   "3531176"  <br>"3941451"   "3942862"  <br>"3944324"   "4927250"  <br>"5040881"   "5069537").PN. OR<br>("5315435").URPN. | US-PGPUB;<br>USPAT;<br>USOCR   | OR | ON  | 2006/11/06 14:10 |
| S31 | 0   | video NEAR4 camera WITH<br>bellow\$2 SAME insulat\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 14:15 |
| S32 | 41  | camera WITH bellow\$2 SAME<br>insulat\$4   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 14:36 |
| S33 | 168 | camera WITH insulat\$4 WITH<br>shutter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/11/06 14:36 |

## EAST Search History

|     |    |   |  |    |    |                  |
|-----|----|---|--|----|----|------------------|
| S34 | 1  | camera WITH insulat\$4 WITH optical NEAR2 path WITH shutter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 14:36 |
| S35 | 2  | camera SAME insulat\$4 WITH optical NEAR2 path SAME shutter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 14:37 |
| S36 | 10 | camera SAME insulat\$4 WITH optical NEAR2 path  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:15 |
| S37 | 59 | camera SAME (insulat\$4 OR enclose\$4) WITH optical NEAR2 path  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:18 |
| S38 | 1  | (SLR OR ((single\$1lens OR single ADJ lens) ADJ reflex)) NEAR4 camera SAME (insulat\$4 OR enclose\$4) WITH optical NEAR2 path | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/08/10 09:49 |
| S39 | 90 | (SLR OR ((single\$1lens OR single ADJ lens) ADJ reflex)) NEAR4 camera SAME (insulat\$4 OR enclose\$4)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:21 |
| S40 | 35 | camera WITH bellow\$2 WITH optical NEAR2 path   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:25 |



## EAST Search History

|     |     |   |  |    |    |                  |
|-----|-----|---|--|----|----|------------------|
| S41 | 624 | shutter SAME (image ADJ pickup<br>ADJ element OR CCD OR CMOS)<br>SAME optical NEAR2 path  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:52 |
| S42 | 249 | shutter SAME (image ADJ pickup<br>ADJ element OR CCD OR CMOS)<br>WITH optical NEAR2 path  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:28 |
| S43 | 6   | shutter SAME (image ADJ pickup<br>ADJ element OR CCD OR CMOS)<br>WITH optical NEAR2 path SAME<br>(seal\$3 OR enclose\$3 OR<br>isolate\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:31 |
| S44 | 6   | shutter SAME (image ADJ pickup<br>ADJ element OR CCD OR CMOS)<br>SAME optical NEAR2 path SAME<br>(seal\$3 OR enclose\$3 OR<br>isolate\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:44 |
| S45 | 118 | shutter SAME (image ADJ pickup<br>ADJ element OR CCD OR CMOS)<br>SAME (seal\$3 OR enclose\$3 OR<br>isolate\$3)                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:32 |
| S46 | 624 | shutter SAME (image ADJ pickup<br>ADJ element OR CCD OR CMOS)<br>SAME optical NEAR2 path  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:45 |
| S47 | 9   | shutter SAME (image ADJ pickup<br>ADJ element OR CCD OR CMOS)<br>SAME optical NEAR2 path AND<br>bellow\$2                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:45 |

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|     |      |   |  |    |    |                  |
|-----|------|---|--|----|----|------------------|
| S48 | 0    | shutter SAME (image ADJ pickup<br>ADJ element OR CCD OR CMOS)<br>SAME bellow\$2 SAME (expand\$4<br>OR extend\$4 OR compress\$3 OR<br>contract\$5) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:55 |
| S49 | 3    | shutter SAME (image ADJ pickup<br>ADJ element OR CCD OR CMOS)<br>SAME bellow\$2   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/06 15:55 |
| S50 | 2808 | optic\$4 NEAR2 low NEAR2 pass<br>NEAR2 filter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/07 11:40 |
| S51 | 273  | shutter NEAR2 (IR or infrared<br>NEAR2 filter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/07 11:09 |
| S52 | 199  | ((IR or infrared) NEAR2 filter)<br>WITH shutter   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/07 11:12 |
| S53 | 70   | ((IR or infrared) NEAR2 filter)<br>NEAR3 shutter  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/07 11:12 |
| S54 | 6    | "6307590"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/11/13 08:21 |

## EAST Search History

|     |        |   |  |      |     |                  |
|-----|--------|---|--|------|-----|------------------|
| S55 | 92     | (SLR OR ((single\$1lens OR single ADJ lens) ADJ reflex)) NEAR4 camera SAME (insulat\$4 OR enclose\$4) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2007/08/10 09:54 |
| S56 | 67     | (SLR OR ((single\$1lens OR single ADJ lens) ADJ reflex)) NEAR4 camera SAME (bellows)                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | ON  | 2007/08/10 09:55 |
| S57 | 19472  | (image ADJ sensor OR CCD) WITH film   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON  | 2007/08/10 14:50 |
| S58 | 136169 | ("348").CLAS.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR   | OFF | 2007/08/10 14:50 |
| S59 | 363    | (image ADJ sensor OR CCD) WITH film WITH advantage  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON  | 2007/08/10 14:59 |
| S60 | 24     | S58 AND S59   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON  | 2007/08/10 14:51 |
| S61 | 19472  | (image ADJ sensor OR CCD) WITH film   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON  | 2007/08/10 15:00 |

## EAST Search History

|     |      |             |  |      |    |                  |
|-----|------|-------------|--|------|----|------------------|
| S62 | 2415 | S58 AND S61 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | WITH | ON | 2007/08/10 15:00 |
|-----|------|-------------|--|------|----|------------------|